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MATERIAL SAFETY DATA SHEET

DATE OF REVIS B 09/22/2011

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PRODUCT: ELGR8517

PRODUCT DESCRIPTION: Silver-copper filled conductive paste.

SECTION I PHYSICAL DATA

Boiling Point:	Not Applicable	Solubility in Water:	None
Vapor Pressure (mmHg):	Not Applicable	Specific Gravity (H ₂ O=1):	3.8
Vapor Density (Air=1):	Not Applicable	% Volatile by Volume:	<1

THIS CHEMICAL
is Brought In
By me (NFC) For
OXFORD ETCHER.
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SECTION II HAZARDOUS INGREDIENTS AS DEFINED IN 29CFR1910-1200

<u>MATERIAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silver	7440-22-4	05-15	0.01 mg/m ³ *	0.1 mg/m ³ *
Copper	7440-50-8	65-80	1 mg/m ³ *	1.0 mg/m ³ *
Polymer Admixture	Proprietary	30-05	None Established	None Established

EPA SARA Title III Section 313 (40 CFR 372) Toxic Chemicals present in quantities greater than the "de minimus" level are: Silver CAS#7440-22-4; Mineral Spirits CAS#8052-41-3

NOTE: * For powders only; in adhesive product, powders are bound in adhesive and values are not applicable.

SECTION III FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable
Flammable Limits (Limits In Air): LFL: None UFL: None
Extinguishing Media: Water fog, Carbon Dioxide, dry chemical.
Special Fire Fighting Equipment and Hazards:

SECTION IV REACTIVITY DATA

Stability: Stable
Incompatibility: Strong Acids, Strong Bases.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide.
Hazardous Polymerization: None

SECTION V SPILL, LEAK, AND DISPOSAL PROCEDURES

Action to take for spills: Use appropriate equipment. Sweep up and hold for proper disposal.
Disposal Method: Burn in adequate incinerator or bury in approved landfill.

SECTION VI HEALTH HAZARD DATA

Ingestion: Low single dose oral toxicity; LD50 (Rat) > 2000 mg/Kg
Eye Contact: Minor transient irritation.
Skin Contact: Minor to no irritation. May be a weak skin sensitizer in susceptible individuals.
Skin Absorption: Not absorbed in toxic amounts.
Inhalation: Not likely to be a problem. No guide for control known.
Effects of Overexposure: Irritation, Sensitization, Dermatitis.

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SECTION VII FIRST AID - NOTE TO PHYSICIAN

Eyes: Flush eyes with warm water for at least 15 minutes; see physician.
Skin: Wash with soap and water.
Inhalation: Remove to fresh air; if breathing is difficult, give oxygen.
Ingestion: If conscious, give water, induce vomiting. Get medical attention immediately.
Note to Physician: No specific antidote known. Treat symptomatically.

SECTION VIII SPECIAL HANDLING INFORMATION

Ventilation: Good general ventilation and local exhaust recommended.
Respiratory Protection: None required with good local ventilation.
Protective Gloves: Impervious gloves or use of barrier cream is recommended.
Other Protective Equipment: Not usually required.
Eye Protection: Splash-proof chemical goggles.

SECTION IX SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

WARNING! CAUSES IRRITATION. Avoid contact with eyes, skin or clothing. Avoid breathing vapor, mist or spray. Use with good ventilation. wash after handling, and before eating, drinking or smoking.

EPA SARA Title III Section 313 (40 CFR 372) Toxic Chemicals present in quantities greater than the "de minimis" level are: Silver CAS#7440-22-4

All ingredients in this product are on the Toxic Substances Control Act (TSCA) inventory or are not required to be listed.
No ingredient in this product is known to be carcinogenic.
Ingredients listed on the New Jersey "RIGHT TO KNOW" substance list: Silver CAS#7440-22-4 Substance#1669

SECTION X ADDITIONAL REGULATORY INFORMATION

HMIG RATING: Health -2 Flammability - 2, Reactivity-0, Protective Equipment-C

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